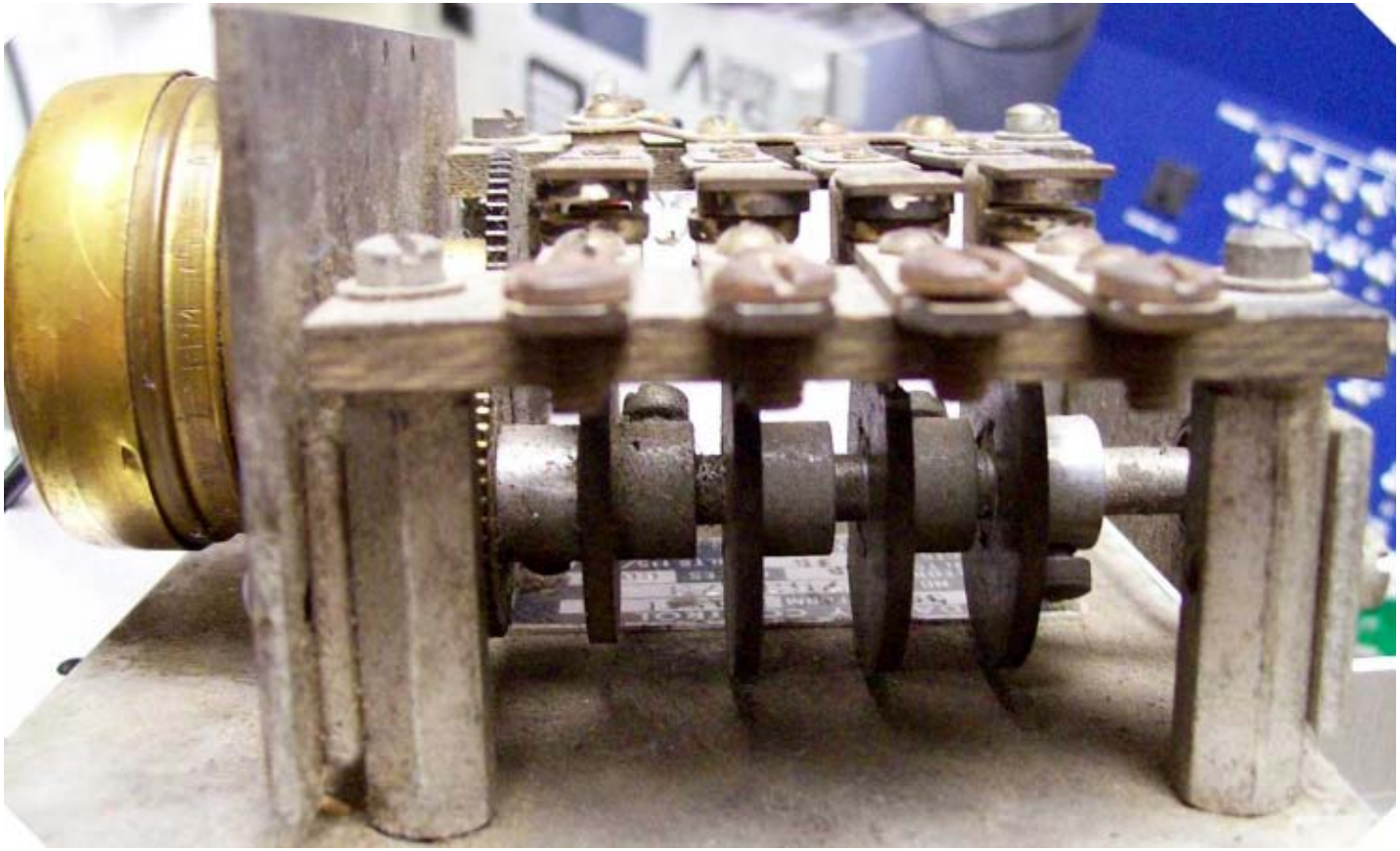
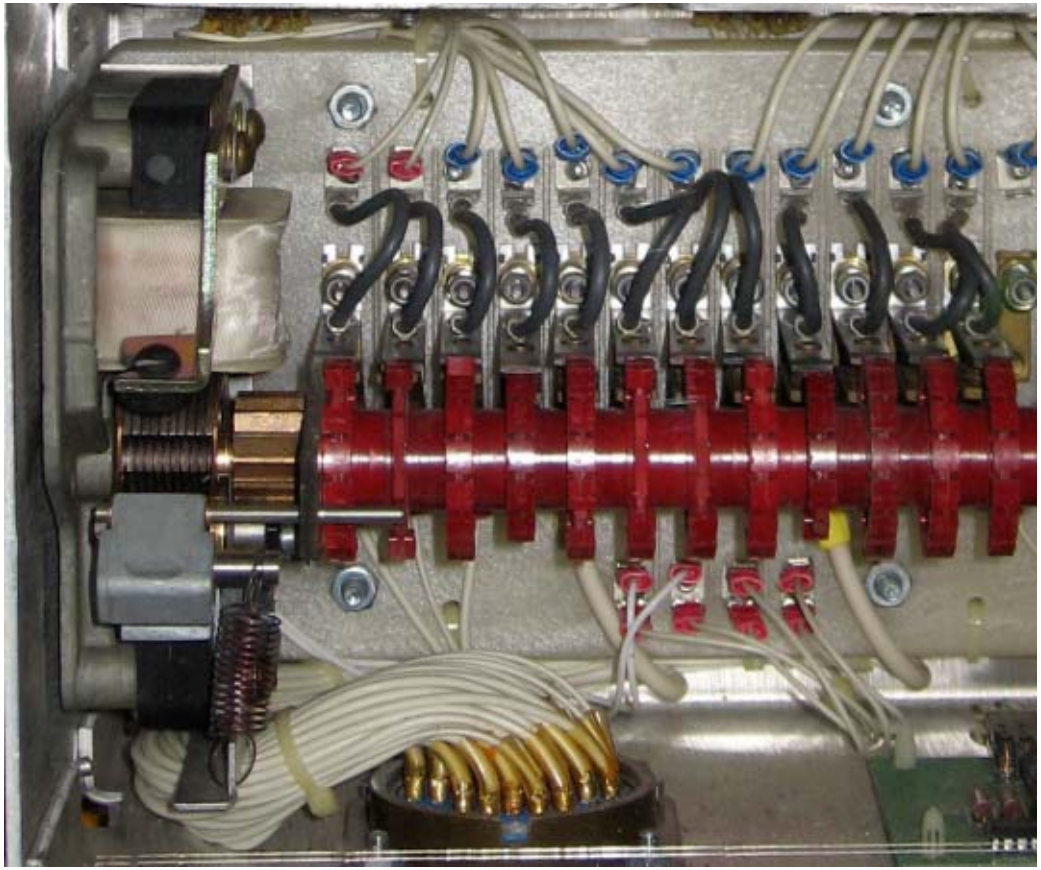
What is this?



What is this?



EAGLE EF-70

What controller uses these dials?

ELECTRO-MATIC
TRAFFIC-ACTUATED CONTROLLER
AS
BS
CS
AD
BD
CD
INITIAL INTERVALS
VEHICLE INTERVALS
MAXIMUM INTERVALS
FIRST CHANGE
SECOND CHANGE
RECALL SWITCHES
OFF
COORD
ON
AUTOMATIC 1826DR

Oasis/2070 Enhancements 2007

Oasis Enhancements

- Ability to write configuration file to FLASH memory from front panel key-pad.
- Support of 2002 Caltrans TEES Data Key. (Only available on 2002 Controllers)
- Tenth of a second timer resolution on General Status display.
- Supports new DST adjustment dates
- Various Bug Fixes

Current D-6 Menu
“**Delete System Files**”

```
SELECT OPTIONS AND PRESS THE "ENT" KEY
DELETE COMMANDS FILE.................N
DELETE CONFIGURATION FILES..........N
DELETE LOGS.........................N
```

New D-6 Menu
"**Manage System Files**"

```
SELECT OPTIONS, THEN PRESS THE "ENT" KEY
SAVE ACTIVE CONFIG TO FLASH.........N
SAVE ACTIVE CONFIG TO DATAKEY.......N
DELETE MANUAL/SYSTEM COMMANDS FILE..N
DELETE ACTIVE CONFIG FILE...........N
DELETE LOGS.........................N
RESTORE CONFIG FROM FLASH...........N
RESTORE CONFIG FROM DATAKEY.........N
-----------------------------------------
RESTORE TO FACTORY DEFAULTS.........N
```

- ***Flash mentioned above is <u>FLASH MEMORY</u>***

Saving Configuration Data to FLASH Memory

- Lap-Top and HyperTerminal no longer necessary for this task.
- Current intersection data becomes default data (i.e. preempt).
- Restore to factory defaults is used for starting over with a clean controller data base.

Using the File Management Features

- Place signal into flashing operation, through the tech. flash switch.
- Select menu option desired by pressing the “YES” key and then “ENTER”
- Controller will warn you that a restart is required and ask “Are You Sure?”.
- Press “YES” key and cycle power on controller & reset conflict monitor.

Using the Data Key

With the 2002 TEES 2070L

New D-6 Menu
"**Manage System Files**"

```
SELECT OPTIONS, THEN PRESS THE "ENT" KEY
SAVE ACTIVE CONFIG TO FLASH.........N
SAVE ACTIVE CONFIG TO DATAKEY.......N
DELETE MANUAL/SYSTEM COMMANDS FILE..N
DELETE ACTIVE CONFIG FILE...........N
DELETE LOGS.........................N
RESTORE CONFIG FROM FLASH...........N
RESTORE CONFIG FROM DATAKEY.........N
-------------------------------------
RESTORE TO FACTORY DEFAULTS.........N
```

- ***Notice the two Data Key functions.***

The Two Types of Caltrans 2070 Data Keys

2002 Data Key

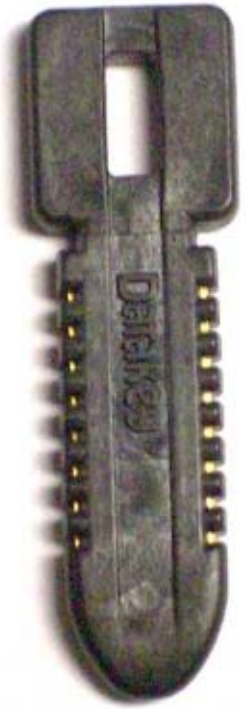
- Round Top
- 250 KB (2Mbits)

1999 Data Key

- Square Top
- 128 Bytes (1024 bits)

1999 Data Key <u>(Not Usable)</u>

Insufficient Memory - Square Top



- Only holds 128B, Oasis config. is 44KB.

2002 Data Key - Round Top

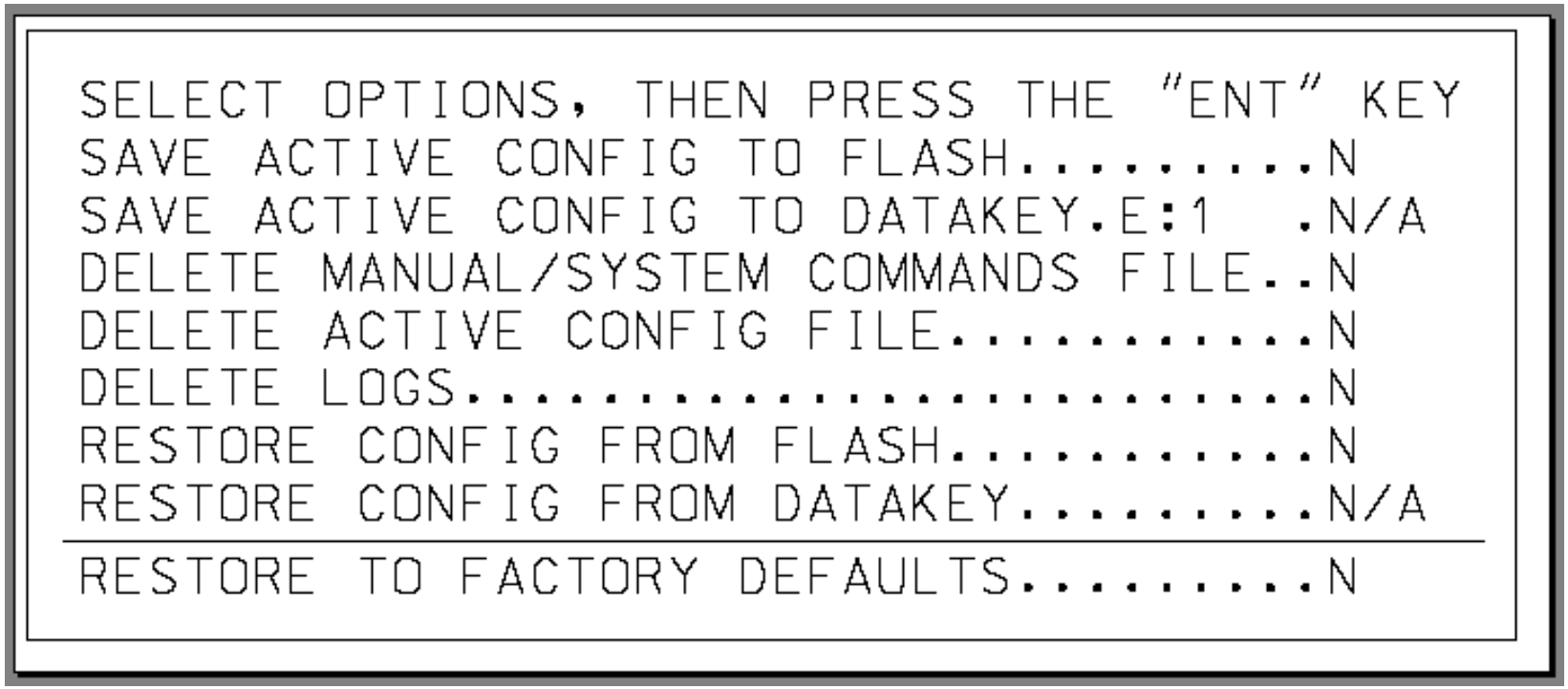
Enough Memory for Oasis 44KB Configuration File

2007/03/27

- Holds 250KB

This Screen Shows Data Key Function Not Available

-Wrong Key-



This Screen Shows Data Key Function Not Available

Missing Key

or 1999 TEES 2070L

```
SELECT OPTIONS, THEN PRESS THE "ENT" KEY
SAVE ACTIVE CONFIG TO FLASH.........N
SAVE ACTIVE CONFIG TO DATAKEY.E:246.N/A
DELETE MANUAL/SYSTEM COMMANDS FILE..N
DELETE ACTIVE CONFIG FILE...........N
DELETE LOGS.........................N
RESTORE CONFIG FROM FLASH...........N
RESTORE CONFIG FROM DATAKEY.........N/A
-------------------------------------
RESTORE TO FACTORY DEFAULTS.........N
```

This Screen Shows Data Key Function Is **Available**

```
SELECT OPTIONS, THEN PRESS THE "ENT" KEY
SAVE ACTIVE CONFIG TO FLASH.........N
SAVE ACTIVE CONFIG TO DATAKEY.......N
DELETE MANUAL/SYSTEM COMMANDS FILE..N
DELETE ACTIVE CONFIG FILE...........N
DELETE LOGS.........................N
RESTORE CONFIG FROM FLASH...........N
RESTORE CONFIG FROM DATAKEY.........N
-----------------------------------------
RESTORE TO FACTORY DEFAULTS.........N
```

Questions?

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

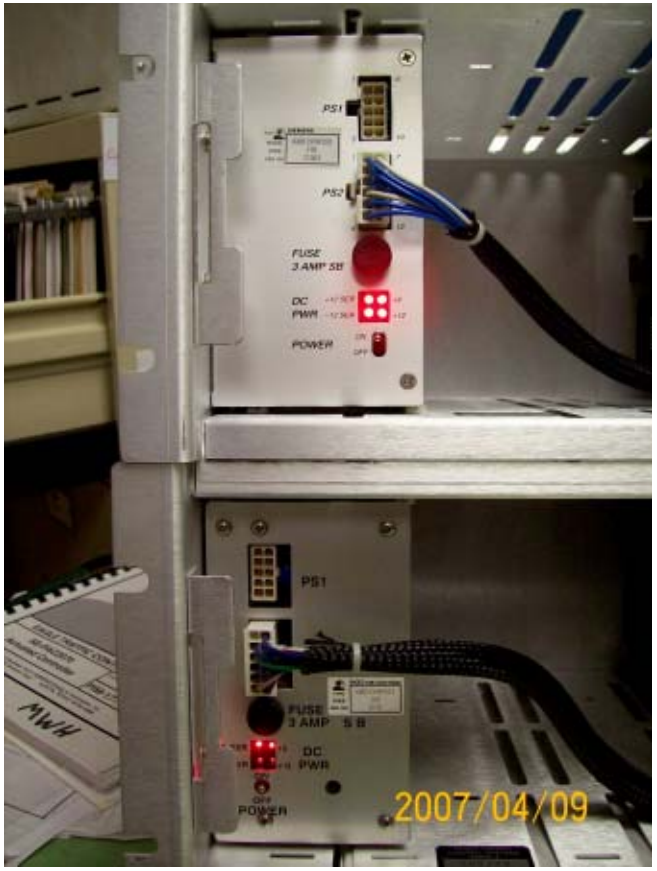
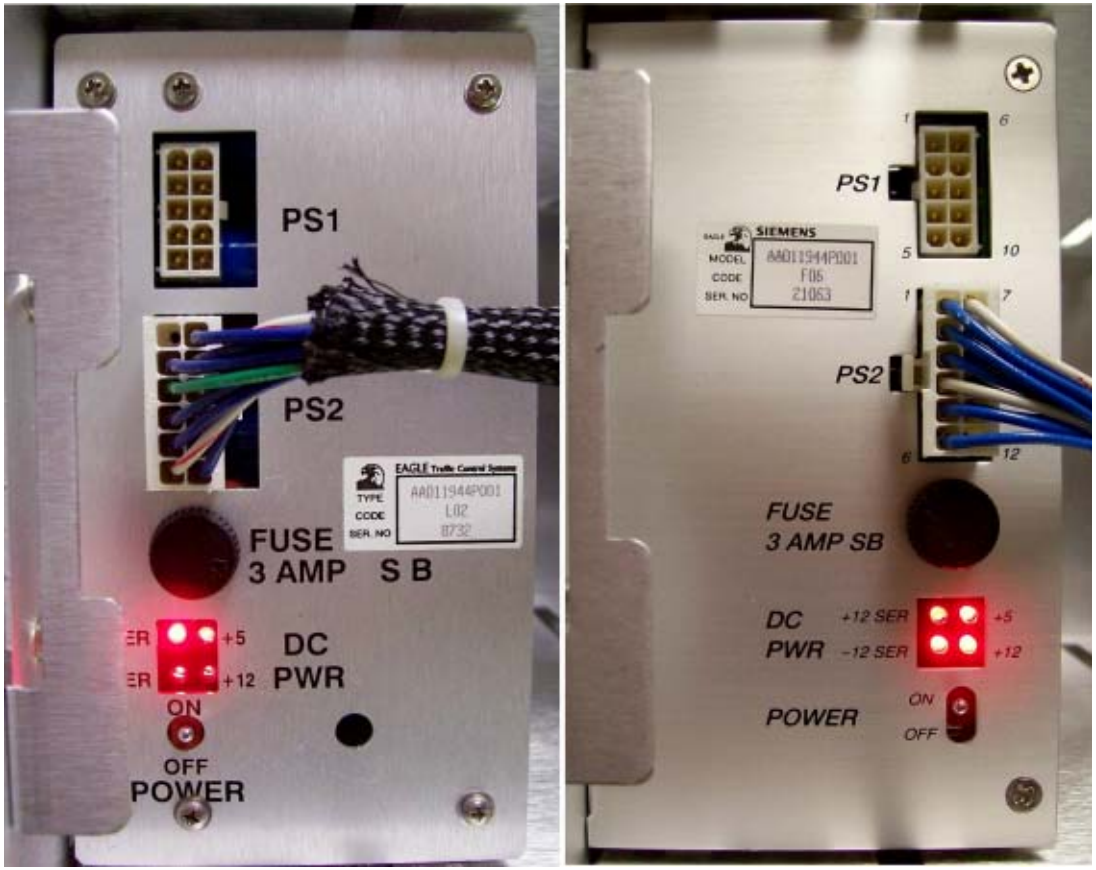
Caltrans

NEMA

Physical Difference Between 1999 and 2002 2070s

- 2002 connectors on right side of power supply front panel.

- 1999 connectors on left side of power supply front panel



1999 left-------2002 right